

(ii) a DNA sequence selected from the group consisting of the following partial sequences and other partial sequences of the alanine dehydrogenase gene of *M. tuberculosis* (Fig. 2.5):

Sub  
C1  
21  
cont

| <u>Name</u>      | <u>Sequence</u>                       | <u>Orientation</u> |
|------------------|---------------------------------------|--------------------|
| <u>AlaDH-F1</u>  | <u>5'-ATGCGCGTCGGTATTCCG-3'</u>       | <u>forward</u>     |
| <u>AlaDH-F1+</u> | <u>5'-GCGCGTCGGTATTCCGACCG-3'</u>     | <u>forward</u>     |
| <u>AlaDH-F2</u>  | <u>5'-GAGACCAAAACAACGAA-3'</u>        | <u>forward</u>     |
| <u>AlaDH-F4</u>  | <u>5'-GAATTCCCATCAGCAATCTTCAGA-3'</u> | <u>forward</u>     |
| <u>AlaDH-F5</u>  | <u>5'-GCCCCGATGAGCGAAGTC-3'</u>       | <u>forward</u>     |
| <u>AlaDH-F6</u>  | <u>5'-GGGGCCGTCCTGGTGCC-3'</u>        | <u>forward</u>     |
| <u>AlaDH-F7</u>  | <u>5'-GACGTCGACCTACGCGCTGAC-3'</u>    | <u>forward</u>     |
| <u>AlaDH-R1</u>  | <u>5'-CTCGGTGAACGGCACCCC-3'</u>       | <u>reverse</u>     |
| <u>AlaDH-R2</u>  | <u>5'-GGCCAGCACGCTGGCGGG-3'</u>       | <u>reverse</u>     |
| <u>AlaDH-R3</u>  | <u>5'-CACCCGTTGGACAGTAA-3'</u>        | <u>reverse</u>     |
| <u>AlaDH-R4</u>  | <u>5'-CGCGGCGGACATCATCGC-3'</u>       | <u>reverse</u>     |
| <u>AlaDH-R5</u>  | <u>5'-GGCCGACATCATCGCTTCCC-3'</u>     | <u>reverse</u>     |
| <u>AlaDH-R6</u>  | <u>5'-CGAGACTAATTTGGGTGCCTTGGC-3'</u> | <u>reverse</u>     |
| <u>AlaDH-R7</u>  | <u>5'-ATTGGGTGCCTTGGC-3'</u>          | <u>reverse</u>     |
| <u>AlaDH-RM</u>  | <u>5'-GGCGGCGAGTCGACCGGC-3'</u>       | <u>reverse</u>     |

[and], partial sequences thereof and sequences that are [hybridisable] hybridizable therewith [preferably at a temperature of at least 20°C and especially at a concentration of 1M NaCl and a temperature of at least 25°C], for the diagnosis of tuberculosis and other mycobacterial infections in humans [and] or animals.

Please cancel claim 9, without prejudice, and amend claim 10 as follows:

Claim 10, line 4, please delete "claim 9" and substitute --claim 1-- therefor.